

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	32
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD1600_01_s_2013_32				
Comment Code					
Inspector Comment					
RD 1600 has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	33
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1600_01_s_2013_33				
Comment Code					
Inspector Comment					
RD 1600 maintains a stockpile of flood response material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	34
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD1600_01_s_2013_34				
Comment Code					
Inspector Comment					
RD 1600 has a written flood response plan and flood response training.					

No Photos

LM Start	0.08	Rating **	M	Issue No.	25
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.676163 °	38.676163 °	
			-121.631005 °	-121.631005 °	
DWR ID	DWR_RD1600_01_s_2017_25				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Visibile rills on the waterside levee slope. RD placed visqueen and sandbags to prevent further erosion.					

Photo 1 of 1 : SP_2017_RD1600_191_25_20170413_00123.jpg



Runoff erosion on waterside levee slope. LMA placed visqueen to prevent further erosion. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.09	Rating **	U	Issue No.	39
LM End	6.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.676299 °	38.755371 °
				-121.631118 °	-121.594582 °
DWR ID	DWR_RD1600_01_s_2017_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_39_20170413_00124.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	0.12	Rating **	A/W	Issue No.	38
LM End	0.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.676654 °	38.676654 °
				-121.631348 °	-121.631348 °
DWR ID	DWR_RD1600_01_f_2015_38				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_38_20170320_00043.jpg



View of a slope depression on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.12	Rating **	A/W	Issue No.	46
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.676660 °	38.676660 °
				-121.631337 °	-121.631337 °
DWR ID	DWR_RD1600_01_s_2017_46				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Two small rills on waterside levee slope.					

Photo 1 of 1 : SP_2017_RD1600_191_46_20170413_00125.jpg



Rills from runoff on waterside levee slope. Spring 2017.

LM Start	0.33	Rating **	C	Issue No.	40
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.679472 °	38.679472 °
				-121.633053 °	-121.633053 °
DWR ID	DWR_RD1600_01_f_2015_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	M	Issue No.	133
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.682140 °	38.682140 °
				-121.634083 °	-121.634083 °
DWR ID	DWR_RD1600_01_f_2013_133				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_133_20170320_00082.jpg



Updated view of the slope stability site. Fall 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.53	Rating **	M	Issue No.	133 (cont)	
LM End	0.53	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.682140 °		38.682140 °
				-121.634083 °		-121.634083 °
DWR ID	DWR_RD1600_01_f_2013_133					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD1600_191_133_20170320_00083.jpg



View of the slope stability on the landward side of the levee. Fall 2015.

LM Start	0.56	Rating **	M	Issue No.	7
LM End	0.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.682707 °	38.684106 °
				-121.633830 °	-121.634219 °
DWR ID	DWR_RD1600_01_s_2016_7				
Comment Code					
Inspector Comment					
2000 - Very cohesive vertical bank. 2003 - Some minor new erosion. 2006 - Some minor erosion in old pockets. 2009 - Minimal new erosion. 2011 - Multiple new erosion pockets and a few new tree popouts. 2015: No observed changes. [2015 Site ID: SAC_71-3_R]					

Photo 1 of 1 : SP_2017_RD1600_191_7_20170320_00012.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	29
LM End	0.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.683238 °	38.683415 °
				-121.634388 °	-121.634448 °
DWR ID	DWR_RD1600_01_s_2016_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Recommend removal of willow trees.					

LM Start	0.60	Rating **	M	Issue No.	29 (cont)
LM End	0.62	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2017_RD1600_191_29_20170320_00033.jpg



Perspective view of the willows on the waterward side of the levee looking upstream. Spring 2016.

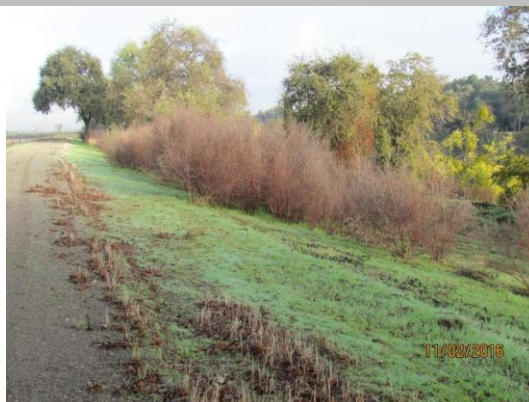
Photo 2 of 3 : SP_2017_RD1600_191_29_20170320_00034.jpg



Willows are growing on the waterward side of the levee. Spring 2016.

LM Start	0.60	Rating **	M	Issue No.	29 (cont)
LM End	0.62	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2017_RD1600_191_29_20170320_00035.jpg



Updated view of willows on waterward side. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.78	Rating **	N	Issue No.	624
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.685713 °	38.685713 °
				-121.634985 °	-121.634985 °
DWR ID	DWR_RD1600_01_s_2017_624				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
The tree is dying and needs to be monitored.					

Photo 1 of 2 : SP_2017_RD1600_191_624_20170320_00088.jpg



View of the dying tree on the waterward side of the levee looking upstream. Spring 2016.

LM Start	0.78	Rating **	N	Issue No.	624 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD1600_191_624_20170320_00089.jpg



Dying tree on waterward side was burnt. Fall 2016.

LM Start	0.97	Rating **	M	Issue No.	134
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.688454 °	38.688454 °
				-121.635528 °	-121.635528 °
DWR ID	DWR_RD1600_01_f_2013_134				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_134_20170320_00084.jpg



The levee has a deep depression caused by removed tree. Fall 2013

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.97	Rating **	M	Issue No.	134 (cont)	
LM End	0.97	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.688454 °		38.688454 °
				-121.635528 °		-121.635528 °
DWR ID	DWR_RD1600_01_f_2013_134					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD1600_191_134_20170320_00085.jpg



View of the depression of the slope on the landward side of the levee looking downstream. Fall 2015.

LM Start	1.01	Rating **	A/W	Issue No.	22
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.689092 °	38.690368 °
				-121.635616 °	-121.635669 °
DWR ID	DWR_RD1600_01_s_2012_22				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_22_20170320_00024.jpg



View of the revegetation site at the berm edge on the waterward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	1.01	Rating **	A/W	Issue No.	22 (cont)
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.689092 °	38.690368 °
				-121.635616 °	-121.635669 °
DWR ID	DWR_RD1600_01_s_2012_22				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 2 of 2 : SP_2017_RD1600_191_22_20170320_00025.jpg



Sign stating revegetation site. Spring 2016.

LM Start	1.26	Rating **	C	Issue No.	42
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.692637 °	38.692637 °
				-121.635247 °	-121.635247 °
DWR ID	DWR_RD1600_01_s_2017_42				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	M	Issue No.	4
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.694395 °	38.694395 °
				-121.634376 °	-121.634376 °
DWR ID	DWR_RD1600_01_s_2017_4				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Damage looks like caused by vehicles.					

Photo 1 of 2 : SP_2017_RD1600_191_4_20170320_00007.jpg



Erosion from vehicles on levee slope. Spring 2013

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	1.39	Rating **	M	Issue No.	4 (cont)	
LM End	1.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.694395 °		38.694395 °
				-121.634376 °		-121.634376 °
DWR ID	DWR_RD1600_01_s_2017_4					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Damage looks like caused by vehicles.						

Photo 2 of 2 : SP_2017_RD1600_191_4_20170320_00008.jpg



View of the slope stability caused by vehicles on the landward side of the levee looking upstream. Fall 2015.

LM Start	1.53	Rating **	M	Issue No.	50
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.696341 °	38.696918 °
				-121.633417 °	-121.633044 °
DWR ID	DWR_RD1600_01_s_2016_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows on waterward side of the levee.					

Photo 1 of 1 : SP_2017_RD1600_191_50_20170320_00054.jpg



View of willows on waterward side of the levee. Recommended removal. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	1.70	Rating **	M	Issue No.	70
LM End	1.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.698414 °	38.698414 °
				-121.631874 °	-121.631874 °
DWR ID	DWR_RD1600_01_s_2016_70				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_70_20170320_00072.jpg



View of slope instability due to vehicular activity. Fall 2016.

LM Start	1.72	Rating **	M	Issue No.	71
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.698628 °	38.698628 °
				-121.631694 °	-121.631694 °
DWR ID	DWR_RD1600_01_s_2016_71				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_71_20170320_00073.jpg

View of the ruts on the shoulder of the levee on the waterward side.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	1.72	Rating **	A/W	Issue No.	31
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698639 °	38.698639 °
				-121.631687 °	-121.631687 °
DWR ID	DWR_RD1600_01_s_2012_31				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

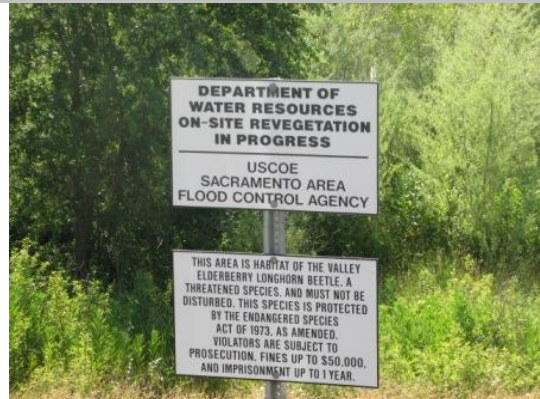
Photo 1 of 2 : SP_2017_RD1600_191_31_20170320_00038.jpg



A photo of a Elderberry bush in the area.

LM Start	1.72	Rating **	A/W	Issue No.	31 (cont)
LM End	1.72	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD1600_191_31_20170320_00039.jpg



Revegetation site with the Elderberry Beetle. Photo taken spring 2012.

LM Start	2.01	Rating **	M	Issue No.	72
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.701605 °	38.701605 °
				-121.627954 °	-121.627954 °
DWR ID	DWR_RD1600_01_s_2016_72				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion seems to be caused by rain runoffs. Slope is graveled. Unsure if it is being used as a ramp.					

Photo 1 of 4 : SP_2017_RD1600_191_72_20170320_00074.jpg



Erosion is on the landward side of the levee about midway from the shoulder of the levee. Spring 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.01	Rating **	M	Issue No.	72 (cont)	
LM End	2.01	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.701605 °	38.701605 °	
				-121.627954 °	-121.627954 °	
DWR ID	DWR_RD1600_01_s_2016_72					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion seems to be caused by rain runoffs. Slope is graveled. Unsure if it is being used as a ramp.						

Photo 2 of 4 : SP_2017_RD1600_191_72_20170320_00075.jpg



Updated view of the erosion site. Fall 2016.

LM Start	2.01	Rating **	M	Issue No.	72 (cont)
LM End	2.01	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2017_RD1600_191_72_20170320_00076.jpg



Perspective view of the erosion on the landward side of the levee looking upstream. Spring 2016.

LM Start	2.01	Rating **	M	Issue No.	72 (cont)
LM End	2.01	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2017_RD1600_191_72_20170413_00126.jpg



Updated view of the erosion site. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.02	Rating **	M	Issue No.	52
LM End	2.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.701753 °	38.701753 °
				-121.627734 °	-121.627734 °
DWR ID	DWR_RD1600_01_f_2015_52				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_52_20170320_00056.jpg



View of the slope stability caused by vehicles on the waterward side of the levee looking upstream. Fall 2015.

LM Start	2.06	Rating **	C	Issue No.	53
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.702063 °	38.702063 °
				-121.627214 °	-121.627214 °
DWR ID	DWR_RD1600_01_f_2015_53				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.10	Rating **	M	Issue No.	55
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.702416 °	38.702416 °
				-121.626593 °	-121.626593 °
DWR ID	DWR_RD1600_01_f_2015_55				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_55_20170320_00059.jpg



View of the slope stability damaged by vehicles on the landward side of the levee. Fall 2015.

LM Start	2.17	Rating **	M	Issue No.	56
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.703025 °	38.703025 °
				-121.625605 °	-121.625605 °
DWR ID	DWR_RD1600_01_f_2015_56				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_56_20170320_00060.jpg



View of the sloughing on the landward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.17	Rating **	M	Issue No.	56 (cont)	
LM End	2.17	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.703025 °		38.703025 °
				-121.625605 °		-121.625605 °
DWR ID	DWR_RD1600_01_f_2015_56					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD1600_191_56_20170320_00061.jpg



Updated view of the sloughing on LS slope. Fall 2016.

LM Start	2.35	Rating **	A/W	Issue No.	35
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.704624 °	38.705152 °
				-121.623034 °	-121.622187 °
DWR ID	DWR_RD1600_01_s_2012_35				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_35_20170320_00040.jpg



Sign for revegetation site. Spring 2016.

LM Start	2.35	Rating **	A/W	Issue No.	35 (cont)
LM End	2.40	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD1600_191_35_20170320_00041.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.41	Rating **	M	Issue No.	43
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.705203 °	38.705203 °
				-121.622184 °	-121.622184 °
DWR ID	DWR_RD1600_01_f_2016_43				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_43_20170320_00047.jpg



LS slope damaged by a vehicle. Fall 2016.

LM Start	2.61	Rating **	A/W	Issue No.	45
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.707311 °	38.707311 °
				-121.619517 °	-121.619517 °
DWR ID	DWR_RD1600_01_f_2016_45				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_45_20170320_00049.jpg



Elderberry tree on landside slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.93	Rating **	M	Issue No.	47
LM End	2.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.710518 °	38.710518 °
				-121.615366 °	-121.615366 °
DWR ID	DWR_RD1600_01_f_2016_47				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_47_20170320_00050.jpg



LS levee slope damaged by a vehicle. Fall 2016.

LM Start	3.00	Rating **	M	Issue No.	75
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.711232 °	38.711232 °
				-121.614401 °	-121.614401 °
DWR ID	DWR_RD1600_01_s_2017_75				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth on landside levee slope.					

Photo 1 of 1 : SP_2017_RD1600_191_75_20170413_00127.jpg



Wild growth on landside levee slope. Spring 2017.

LM Start	3.04	Rating **	A/W	Issue No.	37
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.711597 °	38.711597 °
				-121.613890 °	-121.613890 °
DWR ID	DWR_RD1600_01_s_2012_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	3.04	Rating **	M	Issue No.	76
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.711660 °	38.711660 °
				-121.613839 °	-121.613839 °
DWR ID	DWR_RD1600_01_s_2017_76				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope depression on landside levee slope from vehicle traffic.					

Photo 1 of 1 : SP_2017_RD1600_191_76_20170413_00128.jpg



Slope depression on landside levee slope from vehicle traffic. Spring 2017.

LM Start	3.20	Rating **	M	Issue No.	51
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.713393 °	38.713393 °
				-121.611828 °	-121.611828 °
DWR ID	DWR_RD1600_01_s_2017_51				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	3.40	Rating **	M	Issue No.	77
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.715681 °	38.715681 °
				-121.609555 °	-121.609555 °
DWR ID	DWR_RD1600_01_s_2017_77				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.58	Rating **	M	Issue No.	3
LM End	3.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.717770 °	38.721351 °
				-121.607423 °	-121.606414 °
DWR ID	DWR_RD1600_01_s_2016_3				
Comment Code					
Inspector Comment					
1997 - Steep high bank. 2005 - Some small pockets in the low toe near the waterline. 2006 - Minor slope clearing. 2010 - Minor new erosion. 2011 - Multiple trees have fallen since last year. Some other trees look ready to fall. Significant new erosion since last year. 2012 - Minor new erosion. 2013 - Minor new erosion. 2015: New minor erosion at toe. [2015 Site ID: SAC_74-4_R]					

Photo 1 of 1 : SP_2017_RD1600_191_3_20170320_00006.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	3.83	Rating **	A/W	Issue No.	54
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.721407 °	38.721407 °
				-121.606849 °	-121.606849 °
DWR ID	DWR_RD1600_01_s_2017_54				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_54_20170320_00058.jpg



Prunings on landside slope. Fall 2016.

LM Start	3.89	Rating **	M	Issue No.	67
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.722300 °	38.722300 °
				-121.606769 °	-121.606769 °
DWR ID	DWR_RD1600_01_f_2015_67				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_67_20170320_00070.jpg



View of the shoulder damaged by vehicles on the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.12	Rating **	M	Issue No.	57
LM End	4.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.725598 °	38.725598 °
				-121.606486 °	-121.606486 °
DWR ID	DWR_RD1600_01_f _ 2016_57				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_57_20170320_00062.jpg



Animal burrows on LS slope near the crown. Fall 2016.

LM Start	4.34	Rating **	M	Issue No.	8
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.728684 °	38.736110 °
				-121.605844 °	-121.604153 °
DWR ID	DWR_RD1600_01_s_2016_8				
Comment Code					
Inspector Comment					
1997 - Very steep bank. 2005 - Lots of small trees down along the bank at the upstream end. 2006 - Minor new erosion, but slow. 2010 - Almost all of the roots are exposed on the trees, appears ready to fall. 2011 - New erosion and tree popouts. 2012 - Site has become overgrown with vegetation, making it hard to observe. 2015: Dense vegetation made observation difficult. [2015 Site ID: SAC_75-3_R]					

Photo 1 of 1 : SP_2017_RD1600_191_8_20170320_00013.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.66	Rating **	M	Issue No.	41
LM End	4.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.733294 °	38.733294 °
				-121.605484 °	-121.605484 °
DWR ID	DWR_RD1600_01_f_2015_41				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_41_20170320_00045.jpg



View of the bulge at the toe of the levee on the landward side looking downstream. Fall 2015.

LM Start	4.75	Rating **	A/W	Issue No.	1193
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.734561 °	38.734561 °
				-121.605113 °	-121.605113 °
DWR ID	DWR_RD1600_01_s_2015_1193				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.76	Rating **	A/W	Issue No.	1194
LM End	4.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.734784 °	38.734784 °
				-121.605048 °	-121.605048 °
DWR ID	DWR_RD1600_01_s_2015_1194				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.77	Rating **	M	Issue No.	141
LM End	4.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.734840 °	38.734840 °
				-121.605026 °	-121.605026 °
DWR ID	DWR_RD1600_01_f_2013_141				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_141_20170320_00086.jpg



The erosion at the shoulder of the levee could be slope instability. Fall 2013

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.77	Rating **	M	Issue No.	141 (cont)	
LM End	4.77	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.734840 °		38.734840 °
				-121.605026 °		-121.605026 °
DWR ID	DWR_RD1600_01_f_2013_141					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD1600_191_141_20170320_00087.jpg



View of the erosion on the landward side of the levee looking upstream.
Fall 2015.

LM Start	4.79	Rating **	A/W	Issue No.	1195
LM End	4.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.735111 °	38.735111 °
				-121.604923 °	-121.604923 °
DWR ID	DWR_RD1600_01_s_2015_1195				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.80	Rating **	A/W	Issue No.	1196
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.735275 °	38.735275 °
				-121.604863 °	-121.604863 °
DWR ID	DWR_RD1600_01_s _ 2015_1196				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.85	Rating **	A/W	Issue No.	1197
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.736095 °	38.736095 °
				-121.604642 °	-121.604642 °
DWR ID	DWR_RD1600_01_s _ 2015_1197				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.40	Rating **	M	Issue No.	44
LM End	5.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.743585 °	38.743585 °
				-121.601447 °	-121.601447 °
DWR ID	DWR_RD1600_01_s _ 2016_44				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_44_20170320_00048.jpg



View of WS slope depression. Fall 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	5.42	Rating **	A/W	Issue No.	13
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.743805 °	38.743805 °
				-121.601319 °	-121.601319 °
DWR ID	DWR_RD1600_01_s _ 2012_13				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.44	Rating **	A/W	Issue No.	19
LM End	5.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.744118 °	38.748210 °
				-121.601104 °	-121.598025 °
DWR ID	DWR_RD1600_01_s _ 2012_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Levee district had us add this because of the loss of the berm over years of water flows. Erosion is at the waters edge. Walnut trees are close to edge now.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	5.86	Rating **	U	Issue No.	79
LM End	7.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.749368 °	38.774944 °
				-121.597175 °	-121.602077 °
DWR ID	DWR_RD1600_01_s_2017_79				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_79_20170413_00130.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	6.00	Rating **	M	Issue No.	59
LM End	6.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.751179 °	38.752670 °
				-121.596173 °	-121.595485 °
DWR ID	DWR_RD1600_01_f_2016_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_59_20170320_00064.jpg



Vegetation on LS slope partially blocks visibility. Fall 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	6.09	Rating **	M	Issue No.	58
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.752358 °	38.752358 °
				-121.595608 °	-121.595608 °
DWR ID	DWR_RD1600_01_f_2015_58				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_58_20170320_00063.jpg



View of the slope stability on the waterward side of the levee looking upstream. Fall 2015.

LM Start	6.30	Rating **	A/W	Issue No.	9
LM End	6.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.755246 °	38.756186 °
				-121.594206 °	-121.594024 °
DWR ID	DWR_RD1600_01_s_2016_9				
Comment Code					
Inspector Comment					
2011 - Large vertical eroded face from a rotational failure just below pump. 2015: Does not meet critierial. [2015 Site ID: SAC_77-0_R]					

Photo 1 of 1 : SP_2017_RD1600_191_9_20170320_00014.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	6.39	Rating **	M	Issue No.	1199
LM End	6.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.756612 °	38.756612 °
				-121.594370 °	-121.594370 °
DWR ID	DWR_RD1600_01_s_2015_1199				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The erosion is caused by the water coming from the siphon breaker.					

Photo 1 of 2 : SP_2017_RD1600_191_1199_20170320_00097.jpg



View of erosion and pipe on the landward side of the levee looking upstream. Spring 2015.

LM Start	6.39	Rating **	M	Issue No.	1199 (cont)
LM End	6.39	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD1600_191_1199_20170320_00098.jpg



Updated view of the pipe with syphon breaker. Fall 2016.

LM Start	6.56	Rating **	M	Issue No.	80
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.759131 °	38.759131 °
				-121.594092 °	-121.594092 °
DWR ID	DWR_RD1600_01_s_2017_80				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	6.60	Rating **	M	Issue No.	631
LM End	6.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.759633 °	38.760013 °
				-121.594128 °	-121.594148 °
DWR ID	DWR_RD1600_01_s_2014_631				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_191_631_20170320_00095.jpg



The tall brush and vegetation blocks visibility. Spring 2014

LM Start	6.60	Rating **	M	Issue No.	631 (cont)
LM End	6.62	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD1600_191_631_20170320_00096.jpg



View of the brush and vegetation on the landward side of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

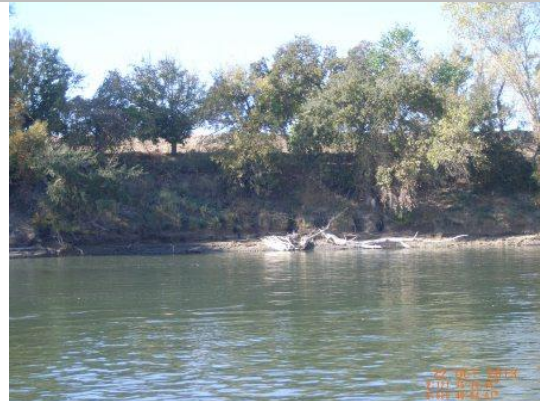
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	6.95	Rating **	M	Issue No.	6
LM End	6.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.764801 °	38.765219 °
				-121.594926 °	-121.595049 °
DWR ID	DWR_RD1600_01_s _ 2016_6				
Comment Code					
Inspector Comment					
2006 - Eddy scour off end of rock causing erosion and scour hole near levee. Sandy silt bank with rock on upstream end. 2010 - Trees are leaning more, minor new erosion. 2011 - Many of the tree roots have scoured out and trees look ready to fall. 2015: No observed changes. [2015 Site ID: SAC_77-7_R]					

Photo 1 of 1 : SP_2017_RD1600_191_6_20170320_00011.jpg



USACE 2013 Photo #1

LM Start	6.97	Rating **	A/W	Issue No.	27
LM End	6.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.764974 °	38.764974 °
				-121.595533 °	-121.595533 °
DWR ID	DWR_RD1600_01_s _ 2012_27				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 3 : SP_2017_RD1600_191_27_20170320_00028.jpg



The erosion appears to be moving closer to the shoulder.

LM Start	6.97	Rating **	A/W	Issue No.	27 (cont)
LM End	6.97	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2017_RD1600_191_27_20170320_00029.jpg



The erosion seems to have been fixed. There still seems to be some erosion on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	6.97	Rating **	A/W	Issue No.	27 (cont)	
LM End	6.97	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.764974 °		38.764974 °
				-121.595533 °		-121.595533 °
DWR ID	DWR_RD1600_01_s_2012_27					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						

Photo 3 of 3 : SP_2017_RD1600_191_27_20170320_00030.jpg



Updated view of erosion site. Fall 2016.

LM Start	6.97	Rating **	A/W	Issue No.	30
LM End	6.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.764980 °	38.764980 °
				-121.595513 °	-121.595513 °
DWR ID	DWR_RD1600_01_s_2013_30				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

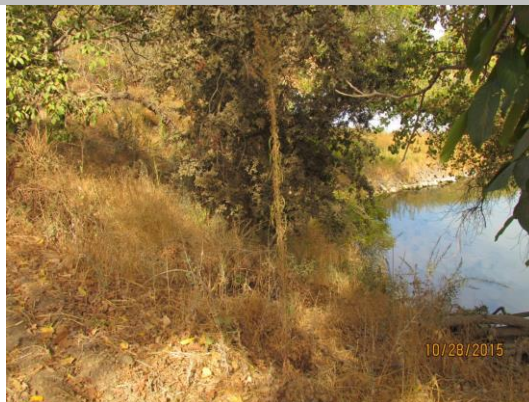
Photo 1 of 2 : SP_2017_RD1600_191_30_20170320_00036.jpg



Erosion is into the berm area and needs to be monitored. Spring 2013

LM Start	6.97	Rating **	A/W	Issue No.	30 (cont)
LM End	6.97	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD1600_191_30_20170320_00037.jpg



View of the erosion into the berm area that needs to be monitored. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	7.10	Rating **	A/W	Issue No.	20
LM End	7.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.766691 °	38.766691 °
				-121.596300 °	-121.596300 °
DWR ID	DWR_RD1600_01_s_2012_20				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion present at the berm, and it hasn't got into the levee prism yet.					

Photo 1 of 5 : SP_2017_RD1600_191_20_20170320_00016.jpg



This another view of the site.

LM Start	7.10	Rating **	A/W	Issue No.	20 (cont)
LM End	7.10	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : SP_2017_RD1600_191_20_20170320_00017.jpg



View of the erosion in the berm area on the waterward side looking upstream. Fall 2015.

LM Start	7.10	Rating **	A/W	Issue No.	20 (cont)
LM End	7.10	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : SP_2017_RD1600_191_20_20170320_00018.jpg



The erosion is eroding away at the berm area.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	7.10	Rating **	A/W	Issue No.	20 (cont)
LM End	7.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.766691 °	38.766691 °
				-121.596300 °	-121.596300 °
DWR ID	DWR_RD1600_01_s_2012_20				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion present at the berm, and it hasn't got into the levee prism yet.					

Photo 4 of 5 : SP_2017_RD1600_191_20_20170320_00019.jpg



Looking at the erosion site on the berm. Fall 2015.

LM Start	7.10	Rating **	A/W	Issue No.	20 (cont)
LM End	7.10	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : SP_2017_RD1600_191_20_20170320_00020.jpg



Updated view of erosion site. Fall 2016.

LM Start	7.21	Rating **	M	Issue No.	61
LM End	7.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.768094 °	38.768094 °
				-121.597075 °	-121.597075 °
DWR ID	DWR_RD1600_01_f_2015_61				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_61_20170320_00066.jpg



View of the erosion on the landward side of the levee looking downstream. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	7.23	Rating **	M	Issue No.	21
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.768409 °	38.768409 °
				-121.597213 °	-121.597213 °
DWR ID	DWR_RD1600_01_s_2012_21				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 3 : SP_2017_RD1600_191_21_20170320_00021.jpg



The erosion is eroding away the berm area.

LM Start	7.23	Rating **	M	Issue No.	21 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2017_RD1600_191_21_20170320_00022.jpg



The bank is eroding away and has become very steep.

LM Start	7.23	Rating **	M	Issue No.	21 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2017_RD1600_191_21_20170320_00023.jpg



View of the erosion along the waterward berm of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	7.38	Rating **	M	Issue No.	81
LM End	7.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.770338 °	38.770338 °	
			-121.598542 °	-121.598542 °	
DWR ID	DWR_RD1600_01_s_2017_81				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	8.09	Rating **	M	Issue No.	82
LM End	8.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.778312 °	38.778957 °	
			-121.606618 °	-121.608445 °	
DWR ID	DWR_RD1600_01_s_2017_82				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.10	Rating **	M	Issue No.	60
LM End	8.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.778390 °	38.779128 °	
			-121.606875 °	-121.609582 °	
DWR ID	DWR_RD1600_01_f_2016_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_60_20170320_00065.jpg



Vegetation on LS slope partially blocks visibility. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	8.18	Rating **	M	Issue No.	63
LM End	8.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.778922 °	38.778922 °
				-121.608075 °	-121.608075 °
DWR ID	DWR_RD1600_01_f_2015_63				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_63_20170320_00067.jpg



Tree trimming on WS slope is needed. Fall 2016.

LM Start	8.21	Rating **	M	Issue No.	1200
LM End	8.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.778938 °	38.778938 °
				-121.608595 °	-121.608595 °
DWR ID	DWR_RD1600_01_s_2015_1200				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_1200_20170320_00099.jpg



Rodent holes on waterside slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	8.52	Rating **	M	Issue No.	62
LM End	9.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.780319°	38.778744°	
			-121.614069°	-121.627137°	
DWR ID	DWR_RD1600_01_f_2016_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.04	Rating **	C	Issue No.	64
LM End	9.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.782563°	38.776643°	
			-121.623188°	-121.628748°	
DWR ID	DWR_RD1600_01_f_2016_64				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	9.40	Rating **	M	Issue No.	66
LM End	10.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.778649 °	38.765406 °
				-121.627172 °	-121.635004 °
DWR ID	DWR_RD1600_01_f_2016_66				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Only about 10 ft of WS slope cleared.					

Photo 1 of 1 : SP_2017_RD1600_191_66_20170320_00069.jpg



Vegetation on WS slope has been cleared only about 10 ft. from the crown. Fall 2016.

LM Start	9.48	Rating **	M	Issue No.	84
LM End	10.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.777513 °	38.765404 °
				-121.627746 °	-121.634999 °
DWR ID	DWR_RD1600_01_s_2017_84				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	9.53	Rating **	U	Issue No.	83
LM End	9.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.777010 °	38.772388 °
				-121.628252 °	-121.631607 °
DWR ID	DWR_RD1600_01_s_2017_83				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_83_20170413_00131.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	9.59	Rating **	A/W	Issue No.	1201
LM End	9.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.776493 °	38.776493 °
				-121.629160 °	-121.629160 °
DWR ID	DWR_RD1600_01_s_2015_1201				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_1201_20170320_00100.jpg



Elderberry tree on WS slope. Fall 2016.

LM Start	9.86	Rating **	C	Issue No.	68
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.773389 °	38.772705 °
				-121.631723 °	-121.631586 °
DWR ID	DWR_RD1600_01_f_2016_68				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	9.93	Rating **	M	Issue No.	85
LM End	10.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.772387 °	38.766298 °
				-121.631608 °	-121.634364 °
DWR ID	DWR_RD1600_01_s_2017_85				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.38	Rating **	M	Issue No.	69
LM End	10.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.766293 °	38.766293 °
				-121.634349 °	-121.634349 °
DWR ID	DWR_RD1600_01_f_2015_69				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	10.46	04/11/2017 04/11/2017	Zach Jojola

LM Start	10.41	Rating **	M	Issue No.	74
LM End	10.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.765905 °	38.765774 °
				-121.634580 °	-121.634661 °
DWR ID	DWR_RD1600_01_f_2016_74				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_191_74_20170320_00079.jpg



Tree thinning on LS slope is needed. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	16
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.736199 °	38.677016 °
				-121.633669 °	-121.643295 °
DWR ID	DWR_RD1600_02_s_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.37	Rating **	M	Issue No.	4
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.730872 °	38.730872 °
				-121.633504 °	-121.633504 °
DWR ID	DWR_RD1600_02_f_2016_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_192_4_20170320_00003.jpg



Landside levee slope erosion at RD1600 pumping plant. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.39	Rating **	M	Issue No.	5
LM End	0.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.730547 °	38.723081 °
				-121.633490 °	-121.633449 °
DWR ID	DWR_RD1600_02_f_2016_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_192_5_20170320_00004.jpg



View of vegetation on waterside slope. Fall 2016.

LM Start	0.41	Rating **	A/W	Issue No.	7
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.730316 °	38.721685 °
				-121.633472 °	-121.633577 °
DWR ID	DWR_RD1600_02_f_2016_7				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_192_7_20170320_00007.jpg



View of vegetation on landside slope. Fall 2016.

LM Start	0.90	Rating **	M	Issue No.	17
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.723186 °	38.677033 °
				-121.633446 °	-121.643328 °
DWR ID	DWR_RD1600_02_s_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	0.92	Rating **	M	Issue No.	23
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.722948 °	38.716108 °
				-121.633477 °	-121.634930 °
DWR ID	DWR_RD1600_02_s_2017_23				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Long section of wave wash damage on waterside levee slope.					

Photo 1 of 1 : SP_2017_RD1600_192_23_20170413_00032.jpg



View of wave wash damage on waterside levee slope. Spring 2017.

LM Start	1.57	Rating **	M	Issue No.	8
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.713733 °	38.713733 °
				-121.635872 °	-121.635872 °
DWR ID	DWR_RD1600_02_f_2015_8				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_192_8_20170320_00008.jpg



View of the slope stability on the waterward side of the levee looking downstream. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	1.65	Rating **	M	Issue No.	9
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.712569 °	38.695566 °
				-121.636348 °	-121.643661 °
DWR ID	DWR_RD1600_02_f_2016_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.79	Rating **	M	Issue No.	14	
LM End	2.05	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.710763 °		38.707116 °
				-121.637147 °		-121.638722 °
DWR ID	DWR_RD1600_02_s_2012_14					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 1 of 4 : SP_2017_RD1600_192_14_20170320_00012.jpg



A closer view of the wave wash damage along the bypass.

LM Start	1.79	Rating **	M	Issue No.	14 (cont)
LM End	2.05	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SP_2017_RD1600_192_14_20170320_00013.jpg



Wave wash damage along the slope the cut is 1'-2'.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.16	Rating **	M	Issue No.	15
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.705614 °	38.704052 °
				-121.639357 °	-121.640016 °
DWR ID	DWR_RD1600_02_s_2012_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This is wave wash damage caused by last high water.					

Photo 1 of 3 : SP_2017_RD1600_192_15_20170320_00016.jpg



Looking upstream a deeper cut of 2'-3' damage.

LM Start	2.16	Rating **	M	Issue No.	15 (cont)
LM End	2.27	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2017_RD1600_192_15_20170320_00017.jpg



This is wave wash damage along the toe of the levee looking downstream.

LM Start	2.16	Rating **	M	Issue No.	15 (cont)
LM End	2.27	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2017_RD1600_192_15_20170320_00018.jpg



Updated view of wave wash damage on WS slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.40	Rating **	M	Issue No.	2	
LM End	2.40	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.702366 °		38.702366 °
				-121.640732 °		-121.640732 °
DWR ID	DWR_RD1600_02_s_2016_2					
Comment Code						
TR : Tree or limb						
Inspector Comment						

Photo 1 of 2 : SP_2017_RD1600_192_2_20170320_00001.jpg



A tree has fallen on the landward side of the levee. Spring 2016.

LM Start	2.40	Rating **	M	Issue No.	2 (cont)
LM End	2.40	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD1600_192_2_20170320_00002.jpg



View of the fallen tree on the landward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	2.77	Rating **	A/W	Issue No.	3
LM End	2.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.697266 °	38.697266 °
				-121.642952 °	-121.642952 °
DWR ID	DWR_RD1600_02_s_2016_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.12	Rating **	M	Issue No.	10
LM End	3.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.692390 °	38.681950 °
				-121.644950 °	-121.644296 °
DWR ID	DWR_RD1600_02_f_2016_10				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Only about 20 ft of LS slope cleared.					

Photo 1 of 1 : SP_2017_RD1600_192_10_20170320_00009.jpg



View of vegetation on landside slope. Only about 20 ft. from the crown has been cleared. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	3.41	Rating **	A/W	Issue No.	300
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.688243 °	38.688243 °
				-121.645010 °	-121.645010 °
DWR ID	DWR_RD1600_02_s_2015_300				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.53	Rating **	A/W	Issue No.	299
LM End	3.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.686436 °	38.686436 °
				-121.644799 °	-121.644799 °
DWR ID	DWR_RD1600_02_s_2015_299				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1600_192_299_20170320_00019.jpg



Elderberry tree on landside slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.17	Rating **	A/W	Issue No.	302
LM End	4.17	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.677286 °	38.677286 °
				-121.643683 °	-121.643683 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15303 DS_ID:21502 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 6x6-foot concrete box culvert through the levee 26.0 feet below the crown. Slide gate on the waterward slope in a 9'X10' concrete box. Culvert passes under the bypass canal, the railroad, and county road 22 and terminates in canal on southwest side of road 22 bridge. Originally included in the 1955 O&M manual. FS Date: 6/21/2013					

Photo 1 of 3 : UCIP_SP_2017_15303_25158.jpg



Concrete intake structure on LS.

LM Start	4.17	Rating **	A/W	Issue No.	302 (cont)
LM End	4.17	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_15303_25157.jpg



Concrete intake structure on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.17	Rating **	A/W	Issue No.	302 (cont)	
LM End	4.17	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.677286 °		38.677286 °
				-121.643683 °		-121.643683 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15303						
DS_ID:21502						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 6x6-foot concrete box culvert through the						
levee 26.0 feet below the crown. Slide gate on the waterward slope in a						
9'X10' concrete box. Culvert passes under the bypass canal, the						
railroad, and county road 22 and terminates in canal on southwest side						
of road 22 bridge. Originally included in the 1955 O&M manual.						
FS Date: 6/21/2013						

Photo 3 of 3 : UCIP_SP_2017_15303_25156.jpg



Slide gate in 9'X10' concrete box on WS slope.

LM Start	4.18	Rating **	M	Issue No.	18
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.677144 °	38.677144 °
				-121.643505 °	-121.643505 °
DWR ID	DWR_RD1600_02_s_2017_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Vehicle tracks on landside levee slope.					

Photo 1 of 1 : SP_2017_RD1600_192_18_20170413_00025.jpg



Vehicle tracks on landside levee slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1600 Mull

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	4.23	04/11/2017 04/11/2017	Zach Jojola

LM Start	4.19	Rating **	M	Issue No.	6
LM End	4.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.677121 °	38.677121 °
				-121.643466 °	-121.643466 °
DWR ID	DWR_RD1600_02_s_2016_6				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1600_192_6_20170320_00005.jpg



View of the trees on the landward side of the levee looking downstream. Spring 2016.

LM Start	4.19	Rating **	M	Issue No.	6 (cont)
LM End	4.19	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD1600_192_6_20170320_00006.jpg



View of debris on LS slope. Fall 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement